



Quality Control Report

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

SUNOCO, INC
ACTON, MA

Analysis: Dissolved Metals by ICP/MS
Method: SW6020

WorkOrder: 08031008
Lab Batch ID: 68375-I

Method Blank

Samples in Analytical Batch:

RunID: ICPMS_080330A-2583680 Units: ug/L
Analysis Date: 03/30/2008 21:52 Analyst: RJD
Preparation Date: 03/25/2008 16:00 Prep By: SA Method SW3005

Lab Sample ID	Client Sample ID
08031008-05E	MW-3D
08031008-06E	GES-4

Analyte	Result	Rep Limit
Iron	ND <	200

Laboratory Control Sample (LCS)

RunID: ICPMS_080330A-2583681 Units: ug/L
Analysis Date: 03/30/2008 21:56 Analyst: RJD
Preparation Date: 03/25/2008 16:00 Prep By: SA Method SW3005

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Iron	5000	5211	104.2	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08031008-05
RunID: ICPMS_080330A-2583684 Units: ug/L
Analysis Date: 03/30/2008 22:09 Analyst: RJD
Preparation Date: 03/25/2008 16:00 Prep By: SA Method SW3005

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Iron	4735	5000	10080	106.8	5000	9888	103.0	1.881	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Analysis: Dissolved Metals by ICP/MS
Method: SW6020

WorkOrder: 08031008
Lab Batch ID: 68375-I

Method Blank

RunID: ICPMS_080329D-2582869 Units: ug/L
Analysis Date: 03/29/2008 20:54 Analyst: RJD
Preparation Date: 03/25/2008 16:00 Prep By: SA Method SW3005

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08031008-05E	MW-3D
08031008-06E	GES-4

Analyte	Result	Rep Limit
Manganese	ND <	2

Laboratory Control Sample (LCS)

RunID: ICPMS_080329D-2582870 Units: ug/L
Analysis Date: 03/29/2008 20:58 Analyst: RJD
Preparation Date: 03/25/2008 16:00 Prep By: SA Method SW3005

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Manganese	100.0	106.1	106.1	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08031008-05
RunID: ICPMS_080329D-2582873 Units: ug/L
Analysis Date: 03/29/2008 21:11 Analyst: RJD
Preparation Date: 03/25/2008 16:00 Prep By: SA Method SW3005

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Manganese	1673	100	1747	N/C	100	1743	N/C	N/C	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B/V - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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